

FILE 'USPAT' ENTERED AT 15:19:48 ON 15 AUG 1997

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* W E L C O M E T O T H E *
* U. S. P A T E N T T E X T F I L E *
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=> e robinson, harriett/in

E#	FILE	FREQUENCY	TERM
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E1	USPAT	2	ROBINSON, HAROLD R/IN
E2	USPAT	2	ROBINSON, HARRIET L/IN
E3	USPAT	0 --->	ROBINSON, HARRIETT/IN
E4	USPAT	1	ROBINSON, HARRY C/IN
E5	USPAT	1	ROBINSON, HARRY D JR/IN
E6	USPAT	1	ROBINSON, HARRY J/IN
E7	USPAT	1	ROBINSON, HARRY R/IN
E8	USPAT	1	ROBINSON, HARRY W/IN
E9	USPAT	1	ROBINSON, HELEN M/IN
E10	USPAT	1	ROBINSON, HENRY F/IN
E11	USPAT	1	ROBINSON, HENRY G/IN
E12	USPAT	1	ROBINSON, HENRY L/IN

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L1 2 "ROBINSON, HARRIET L"/IN

=> t l1 bib ab 1-2

US PAT NO:	5,643,578 [IMAGE AVAILABLE]	L1: 1 of 2
DATE ISSUED:	Jul. 1, 1997	
TITLE:	Immunization by inoculation of DNA transcription unit	
INVENTOR:	**Harriet L. Robinson**, Southboro, MA Ellen F. Fynan, Sterling, MA Robert G. Webster, Memphis, TN	
ASSIGNEE:	University of Massachusetts Medical Center, Worcester, MA (U.S. corp.) St. Jude Children's Research Hospital, Memphis, TN (U.S. corp.)	
APPL-NO:	08/009,833	
DATE FILED:	Jan. 27, 1993	
ART-UNIT:	183	
PRIM-EXMR:	Lynette F. Smith	
LEGAL-REP:	Hamilton, Brook, Smith & Reynolds, P.C.	

US PAT NO: 5,643,578 [IMAGE AVAILABLE] L1: 1 of 2

ABSTRACT:

This invention relates to a method of immunizing a vertebrate, comprising introducing into the vertebrate a DNA transcription unit which comprises DNA encoding a desired antigen or antigens. The uptake of the DNA transcription unit by a host vertebrate results in the expression of the desired antigen or antigens, thereby eliciting humoral or cell-mediated immune responses or both humoral and cell-mediated responses. The elicited humoral and cell-mediated immune responses can provide protection against infection by pathogenic agents, provide an anti-tumor responses, or provide contraception. The host can be any vertebrate, avian or mammal, including humans.

US PAT NO: 5,620,896 [IMAGE AVAILABLE] L1: 2 of 2

DATE ISSUED: Apr. 15, 1997
TITLE: DNA vaccines against rotavirus infections
INVENTOR: John E. Herrmann, Northborough, MA
 Harriet L. Robinson, Southborough, MA
 Ellen F. Fynan, Sterling, MA
ASSIGNEE: University of Massachusetts Medical Center, Worcester, MA
 (U.S. corp.)
APPL-NO: 08/426,169
DATE FILED: Apr. 20, 1995
ART-UNIT: 184
PRIM-EXMR: Jacqueline M. Stone
ASST-EXMR: D. Curtis Hogue, Jr.
LEGAL-REP: Fish & Richardson P.C.

US PAT NO: 5,620,896 [IMAGE AVAILABLE]

L1: 2 of 2

ABSTRACT:

This invention relates to methods of eliciting an immune response and/or protective immunity in a vertebrate by introducing into the vertebrate a DNA vaccine which consists essentially of DNA encoding an antigen or antigens, e.g., capsid proteins or polypeptides, of rotavirus. The uptake of the DNA vaccine by a host vertebrate results in the expression of the capsid protein, thereby eliciting humoral or cell-mediated immune responses, or both, which can provide protection against infection and/or prevent clinically significant rotavirus-caused disease. In addition, the invention demonstrates that an internal vital antigen provides protective immunity in a host. The host can be any vertebrate, including birds, piglets, and humans.

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